# SEMP Historical Meteorology Data Tasking

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## Technical Advisory Committee Meeting

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DoD EPA DOE SERDP
Strategic Environmental Research and Development Program
Improving Mission Readiness Through Environmental Research

ERDP's SEMP
Ecosystem Management Project

# Background

Questions:

1. Just how abnormal have these initial - (2000 and 2001) collection seasons been? (i.e., **what IS "normal?"**
2. To what degree do the unusual weather phenomena potentially affect, modify or disqualify those field results (and the uses to which they might be put)?

This small initiative addresses question 1 and will define how to address question 2.

# Objective

- To quantify how aberrant the weather of the first three SEMP data collection seasons was in terms of Fort Benning climate and how much this deviation from normal might affect management recommendations derived from SEMP research
- To use this research to define in the SEMP Data Repository links to Federal and State data sources which are likely to be of interest to SEMP researchers in the future in terms of the long-term ecosystem characterization and monitoring.

# Approach

- Determine categories of system relevant to the SEMP climate effort.
- Identify agencies with data useful for climate purposes.
- Characterize climate in the study area over the last 3 field seasons.
- Determine the degree of difference that this represents over a "normal" period.
- Recommend whether something should be done to "normalize" the existing field data.
- Develop matrix format for gathering and storing the findings.
- Develop approach to implement these sources within the SEMP data repository structure.

# Progress

(Work initiated in 4th Qtr 2002)

- Determined preliminary set of the categories (Meteorology -Temperature, Rainfall, Surface Hydrology Stream Flow, Groundwater level, Water Quality ) relevant to the SEMP climate effort.
- Identified and contacted agencies with data desirable to SEMP climate purposes (USGS, EPA, NOAA, NCDC, State of Georgia).
- Initiated development of format for gathering and storing the findings, with web links.